Residue # 1 5 10 15 20 25 30 35 40 45 50 55
(SEQ ID NO:1) M D V F M K G L S K A K E G V V A A A E K T K Q G V A E A A G K T K E G V L Y V G S K T K E G V V H G V A T V A E

Residue # 60 65 70 75 80 85 90 95 100 105 110
(SEQ ID NO:1) K T K E Q V T N V G G A V V T G V T A V A Q K T V E G A G S I A A A T G F V K K D Q L G K N E E G A P Q E

(SEQ ID NO:2) E Q V T N V G G A V V T G V T A V A Q K T V E G A G S I A A A T G F V (residues 61-95)

(SEQ ID NO:3) K E Q V T N V G G A V V T G V T A V A Q K T V E G A G S (residues 60-87)

Residue # 115 120 125 130 135 140
(SEQ ID NO:1) G I L E D M P V D P D N E A Y E M P S E E G Y Q D Y E P E A (residues 1-140)

Fig. 1

α-Synuclein Immunization Reduces the Formation SYN (+) Inclusions

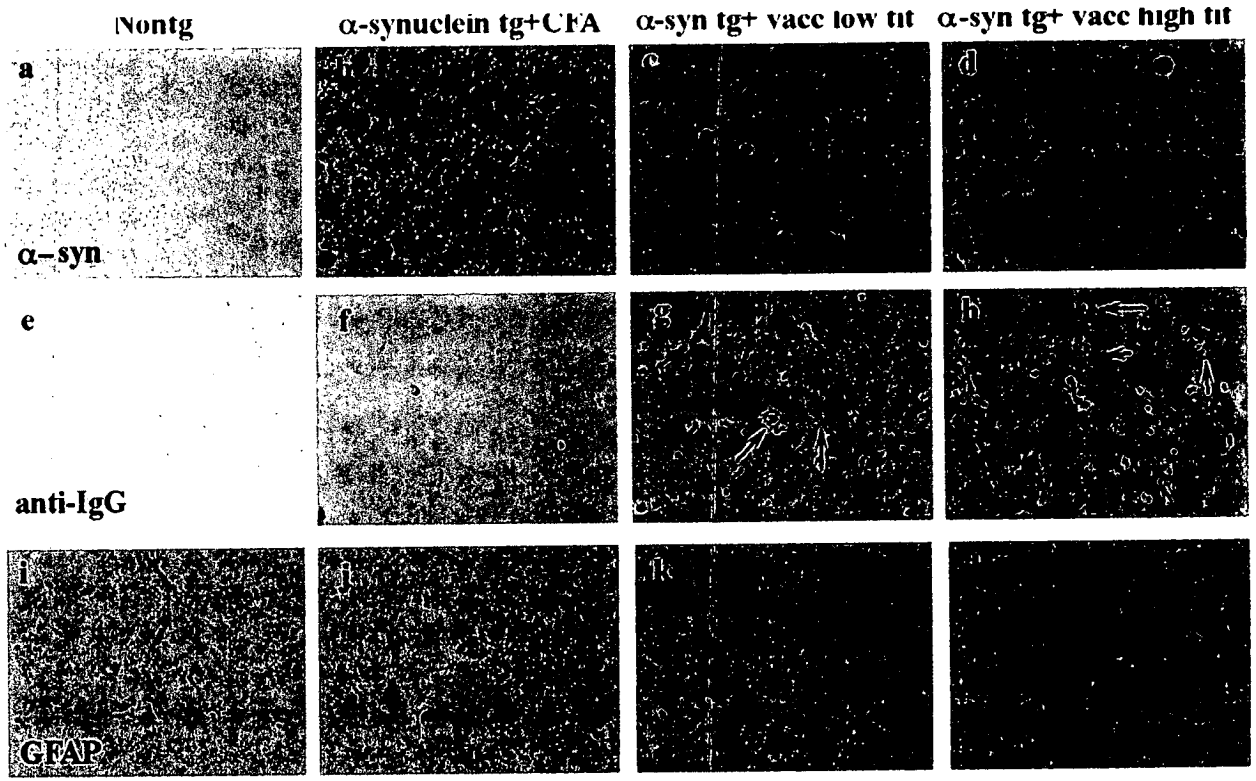


Fig. 2

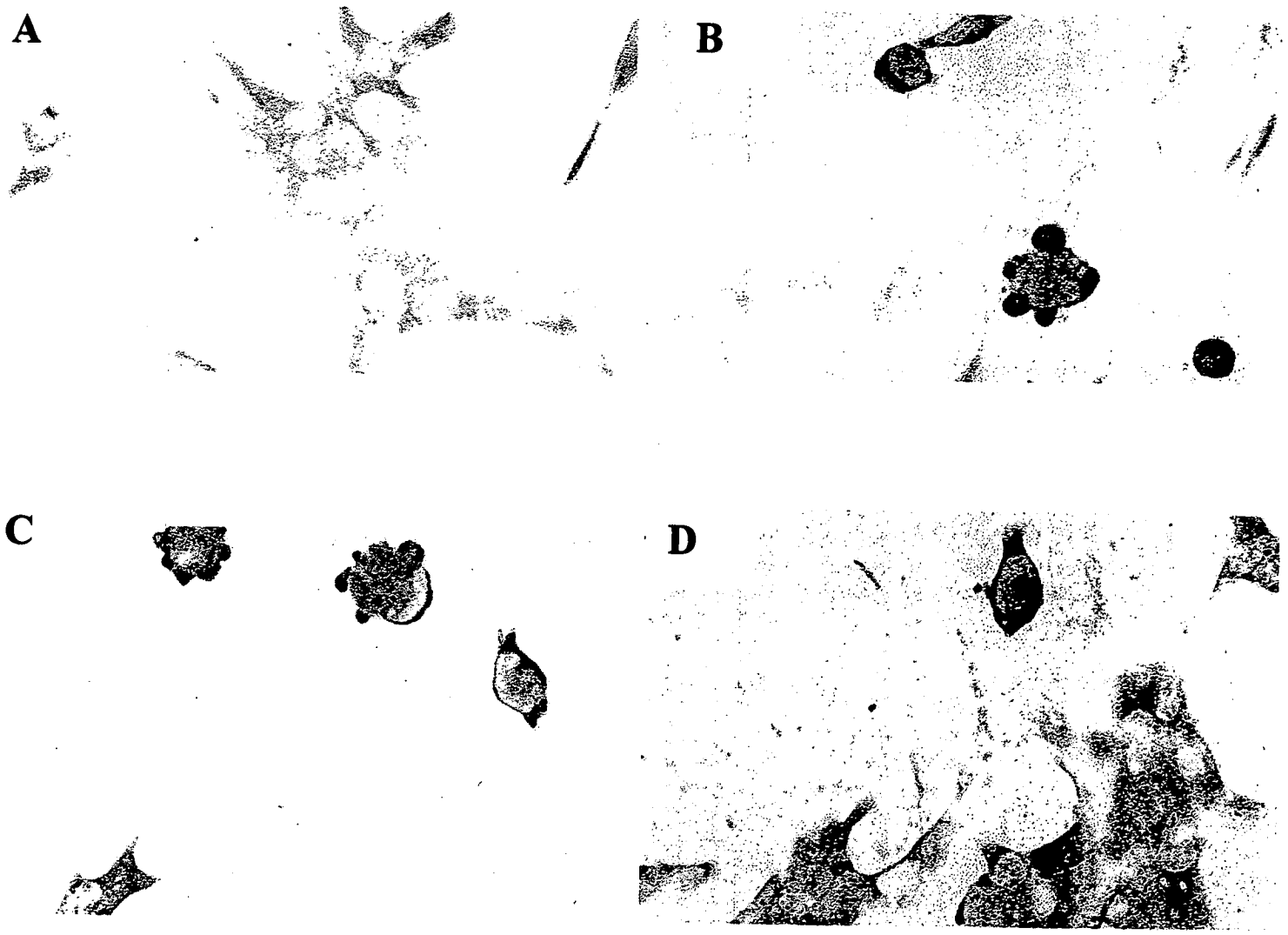
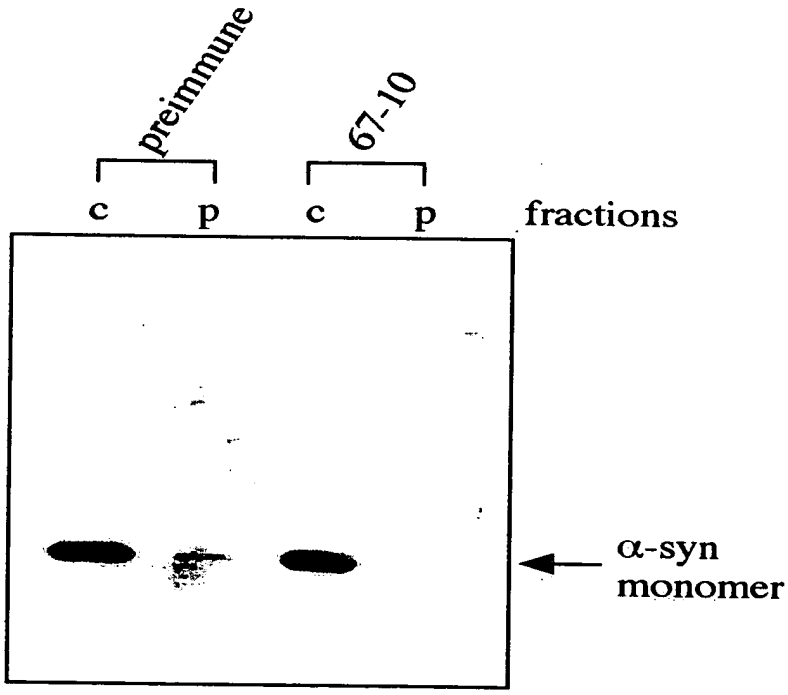


Fig. 3



GT1-7 α-syn overexpressing cells were incubated with either anti-mouse α-syn serum or preimmune serum (1: 50) for 48 hrs.

-Result-

1. Cell proliferation was slightly suppressed in the anti-mouse α-syn serum (67-10) treated cells compared to the preimmune serum treated cells (not shown).
2. In the anti-mouse α-syn serum treated cells, the immuno-reactivity of α-syn was decreased in the particulate fraction.

Fig. 4

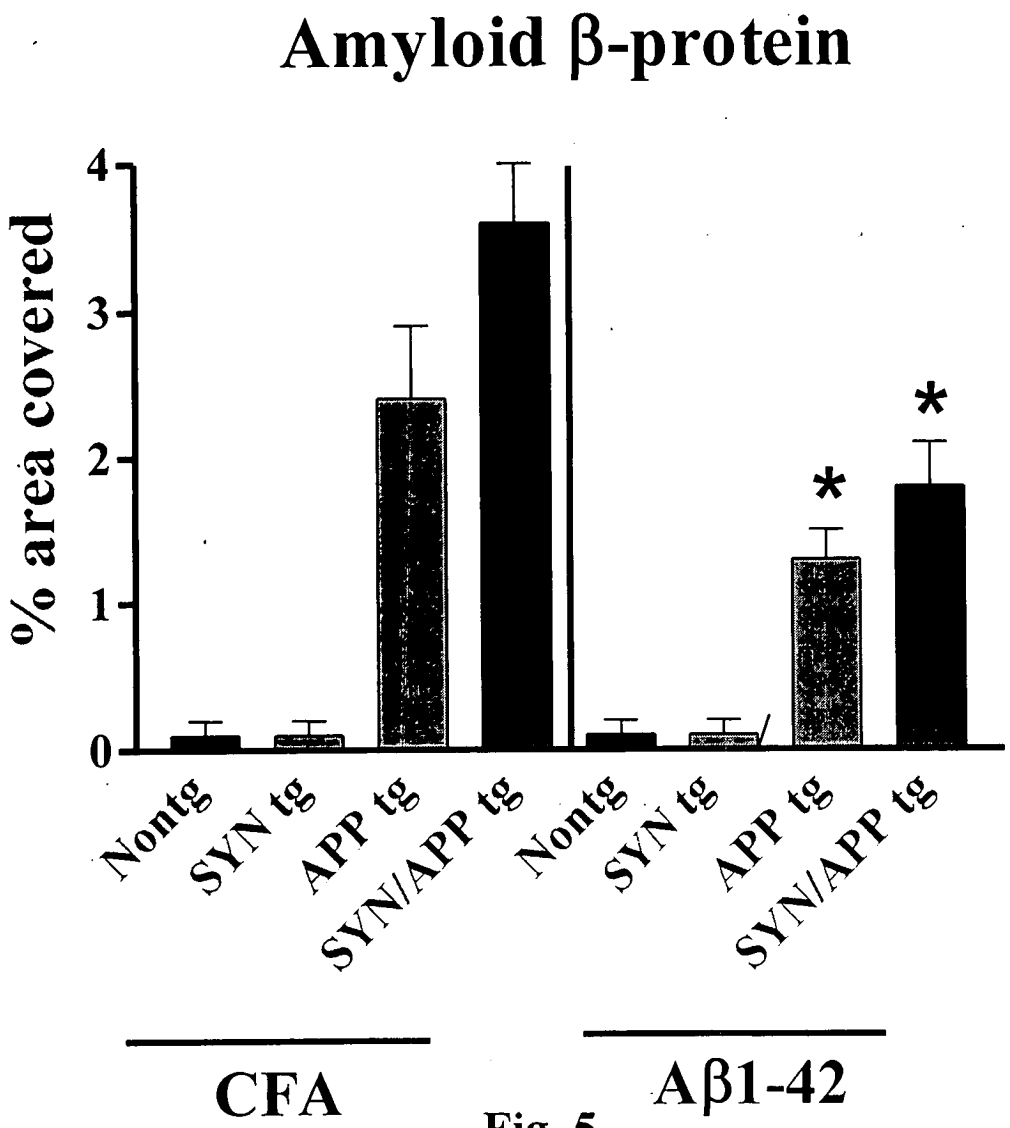

Amyloid β-protein
% area covered
4
3
2
1
0
*
*
Nontg
SYN tg
APP tg
SYN/APP tg
Nontg
SYN tg
APP tg
SYN/APP tg
CFA
Aβ1-42

Fig. 5

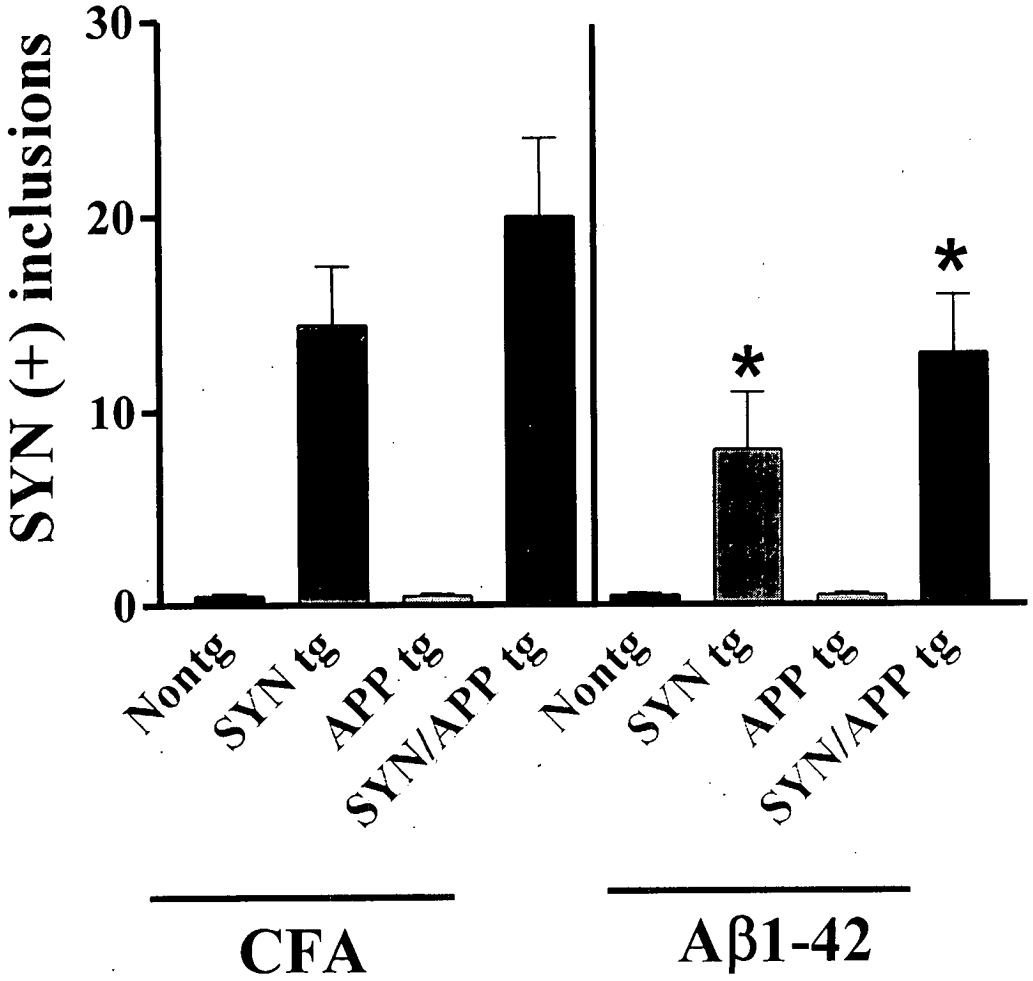

SYN (+) inclusions
30
20
10
0
*
*
Nontg
SYN tg
APP tg
SYN/APP tg
Nontg
SYN tg
APP tg
SYN/APP tg
CFA
Aβ1-42

Fig. 6

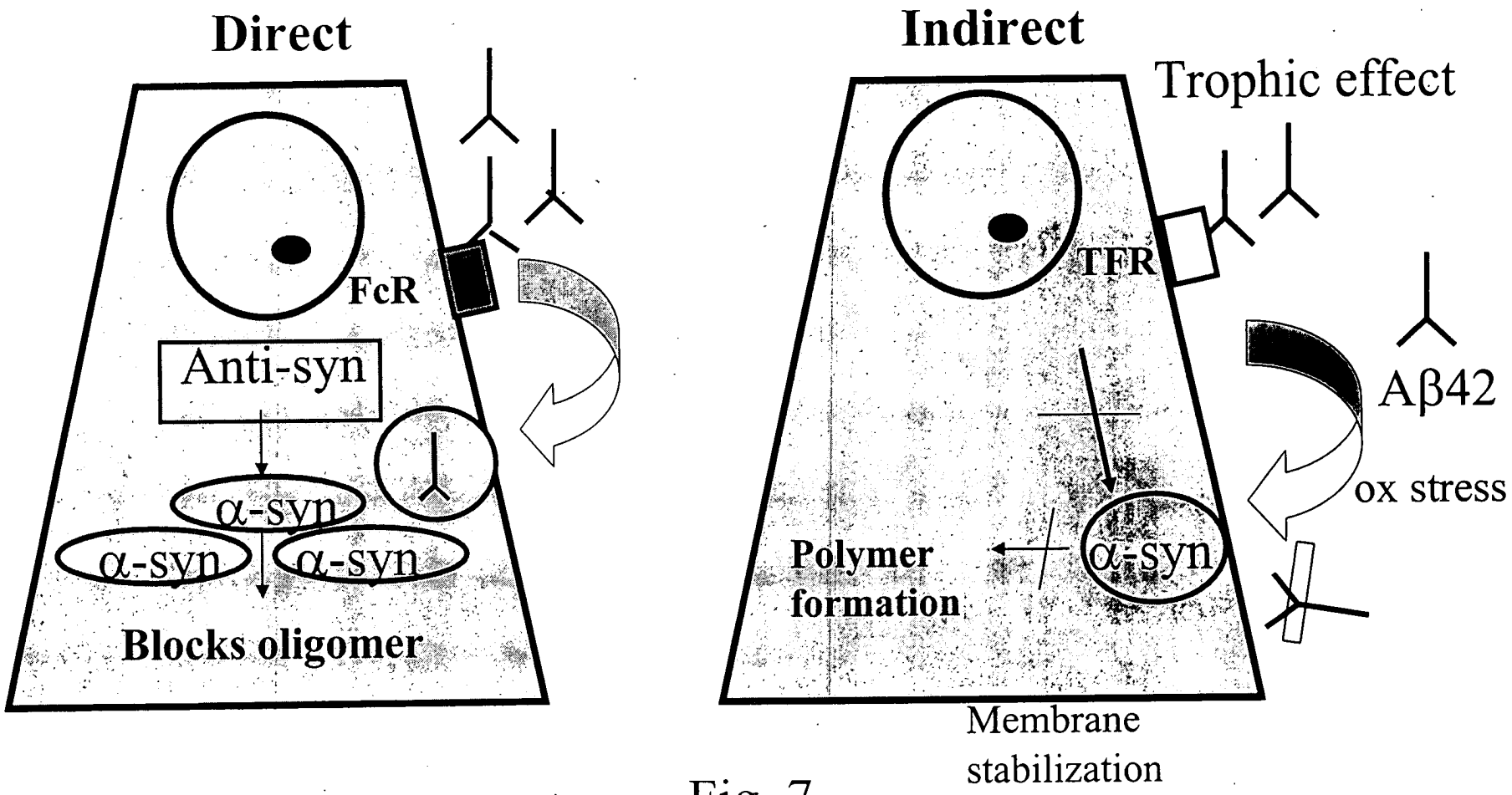

Direct
FcR
Anti-syn
α-syn
α-syn
α-syn
Blocks oligomer
Indirect
Trophic effect
TFR
Aβ42
ox stress
Polymer formation
α-syn
Membrane stabilization

Fig. 7